

**CHAPTER 8**  
**REINFORCEMENT**
**BLM 8-13**

# Chart to be Filled in by Students

**Goal** • Complete the activity on this page to show your knowledge of the functions of parts of the eye and a camera.

## What to Do

- Fill in the empty boxes in this chart to compare eye and camera parts. Do not put anything in the shaded boxes. For help, review pages 247 and pages 252 to 254.

Eye		Camera	
Part	Function	Part	Function
eyelid	opens/closes light control	shutter	opens to take a picture
retina	light hits (image)	film	catches the image
cornea	clear covering over the eye	protective glass	lens cover protects the lens
iris	expand/contract pupil	diaphragm	opens/closes (light control)
iris	adjusts pupil size	automatic brightness adjustment	opens and closes diaphragm according to brightness of subject
lens	focuses the image on the retina	lens	focusses image
ciliary muscle	adjusts muscle thickness	focussing ring	adjusts lens to film distance
pupil	"hole" for light	aperture	hole through which light enters the camera
optic nerve	transmit signals from light receptors in retina to the brain		
aqueous humour	fluid between iris and cornea keeps eyeball rigid and refracts light		
vitreous humour	fluid, gives shape		